Adrian Reyes-Prieto

List of Publications by Year
in descending order

40 papers	3,096 citations	218677 26 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	3076 citing authors

#	Article	IF	Citations
1	The Origin and Establishment of the Plastid in Algae and Plants. Annual Review of Genetics, 2007, 41, 147-168.	7.6	394
2	Algal genomes reveal evolutionary mosaicism and the fate of nucleomorphs. Nature, 2012, 492, 59-65.	27.8	377
3	<i>Cyanophora paradoxa</i> Genome Elucidates Origin of Photosynthesis in Algae and Plants. Science, 2012, 335, 843-847.	12.6	371
4	Phylogenomic Analysis Supports the Monophyly of Cryptophytes and Haptophytes and the Association of Rhizaria with Chromalveolates. Molecular Biology and Evolution, 2007, 24, 1702-1713.	8.9	218
5	How do endosymbionts become organelles? Understanding early events in plastid evolution. BioEssays, 2007, 29, 1239-1246.	2.5	136
6	A Green Algal Apicoplast Ancestor. Science, 2002, 298, 2155-2155.	12.6	130
7	Chlamydiae Has Contributed at Least 55 Genes to Plantae with Predominantly Plastid Functions. PLoS ONE, 2008, 3, e2205.	2.5	119
8	Multiple Genes of Apparent Algal Origin Suggest Ciliates May Once Have Been Photosynthetic. Current Biology, 2008, 18, 956-962.	3.9	115
9	Marine algae and land plants share conserved phytochrome signaling systems. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15827-15832.	7.1	108
10	Cyanobacterial Contribution to Algal Nuclear Genomes Is Primarily Limited to Plastid Functions. Current Biology, 2006, 16, 2320-2325.	3.9	107
11	Differential Gene Retention in Plastids of Common Recent Origin. Molecular Biology and Evolution, 2010, 27, 1530-1537.	8.9	102
12	Minimal plastid genome evolution in the Paulinella endosymbiont. Current Biology, 2006, 16, R670-R672.	3.9	91
13	The Mitochondrial Oxidative Phosphorylation Proteome of Chlamydomonas reinhardtii Deduced from the Genome Sequencing Project: Table I.. Plant Physiology, 2005, 137, 447-459.	4.8	78
14	Phylogeny of Calvin cycle enzymes supports Plantae monophyly. Molecular Phylogenetics and Evolution, 2007, 45, 384-391.	2.7	75
15	Origin and Evolution of the Sodium -Pumping NADH: Ubiquinone Oxidoreductase. PLoS ONE, 2014, 9, e96696.	2.5	75
16	Alternatives to vitamin B1 uptake revealed with discovery of riboswitches in multiple marine eukaryotic lineages. ISME Journal, 2014, 8, 2517-2529.	9.8	69
17	Phylogeny of Nuclear-Encoded Plastid-Targeted Proteins Supports an Early Divergence of Glaucophytes within Plantae. Molecular Biology and Evolution, 2007, 24, 2358-2361.	8.9	60
18	When the lights go out: the evolutionary fate of freeâ€ǂliving colorless green algae. New Phytologist, 2015, 206, 972-982.	7.3	60

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19	Plastid-localized amino acid biosynthetic pathways of Plantae are predominantly composed of non-cyanobacterial enzymes. Scientific Reports, 2012, 2, 955.	3.3	44
20	Red and Green Algal Origin of Diatom Membrane Transporters: Insights into Environmental Adaptation and Cell Evolution. PLoS ONE, 2011, 6, e29138.	2.5	44
21	The Mitochondrial Genomes of the Glaucophytes Gloeochaete wittrockiana and Cyanoptyche gloeocystis: Multilocus Phylogenetics Suggests a Monophyletic Archaeplastida. Genome Biology and Evolution, 2014, 6, 2774-2785.	2.5	37
22	Interrelationships of chromalveolates within a broadly sampled tree of photosynthetic protists. Molecular Phylogenetics and Evolution, 2009, 53, 202-211.	2.7	35
23	The Plastid Genome of <i>Polytoma uvella</i> Is the Largest Known among Colorless Algae and Plants and Reflects Contrasting Evolutionary Paths to Nonphotosynthetic Lifestyles. Plant Physiology, 2017, 173, 932-943.	4.8	33
24	Massive and Widespread Organelle Genomic Expansion in the Green Algal Genus Dunaliella. Genome Biology and Evolution, 2015, 7, 656-663.	2.5	31
25	The Glaucophyta: the blue-green plants in a nutshell. Acta Societatis Botanicorum Poloniae, 2015, 84, 149-165.	0.8	31
26	On the evolutionary origins of apicoplasts: revisiting the rhodophyte vs. chlorophyte controversy. Microbes and Infection, 2004, 6, 305-311.	1.9	28
27	Molecular markers from different genomic compartments reveal cryptic diversity within glaucophyte species. Molecular Phylogenetics and Evolution, 2014, 76, 181-188.	2.7	21
28	Endosymbiotic and horizontal gene transfer in microbial eukaryotes. Mobile Genetic Elements, 2012, 2, 101-105.	1.8	19
29	Plastid Genomes from Diverse Glaucophyte Genera Reveal a Largely Conserved Gene Content and Limited Architectural Diversity. Genome Biology and Evolution, 2019, 11, 174-188.	2.5	16
30	Genetic Correction of Mitochondrial Diseases: Using the Natural Migration of Mitochondrial Genes to the Nucleus in Chlorophyte Algae as a Model System. Annals of the New York Academy of Sciences, 2004, 1019, 232-239.	3.8	15
31	Nucleotide substitution analyses of the glaucophyte Cyanophora suggest an ancestrally lower mutation rate in plastid vs mitochondrial DNA for the Archaeplastida. Molecular Phylogenetics and Evolution, 2014, 79, 380-384.	2.7	14
32	Zn-bis-glutathionate is the best co-substrate of the monomeric phytochelatin synthase from the photosynthetic heavy metal-hyperaccumulator Euglena gracilis. Metallomics, 2014, 6, 604.	2.4	13
33	A personal cost of cheating can stabilize reproductive altruism during the early evolution of clonal multicellularity. Biology Letters, 2022, 18, .	2.3	7
34	Comparative Plastid Genomics of Glaucophytes. Advances in Botanical Research, 2018, 85, 95-127.	1.1	6
35	The plastid genomes of nonphotosynthetic algae are not so small after all. Communicative and Integrative Biology, 2017, 10, e1283080.	1.4	5
36	Winogradsky columns as a strategy to study typically rare microbial eukaryotes. European Journal of Protistology, 2021, 80, 125807.	1.5	4

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37	Seasonality and distribution of cyanobacteria and microcystin toxin genes in an oligotrophic lake of Atlantic Canada. Journal of Phycology, 2021, 57, 1768-1776.	2.3	3
38	Amplicon-based and metagenomic approaches provide insights into toxigenic potential in understudied Atlantic Canadian lakes. Facets, 2022, 7, 194-214.	2.4	3
39	Complete chloroplast genomes of the Chlamydomonas reinhardtii nonphotosynthetic mutants CC-1375, CC-373, CC-4199, CC-2359 and CC-1051. Mitochondrial DNA Part B: Resources, 2017, 2, 405-407.	0.4	2
40	High Sequence Divergence but Limited Architectural Rearrangements in Organelle Genomes of Cyanophora (Glaucophyta) Species. Journal of Eukaryotic Microbiology, 2021, 68, e12831.	1.7	0